

New nucleic acid expressed at high level in normal prostatic tissue and encoded polypeptides, used to treat cancer and screen for therapeutic agents

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Nucleic acid sequences (A) that are expressed at high level in normal prostatic tissue and encode gene products or their fragments, are new. (A) is: (a) one of 64 sequences (all reproduced); (b) allelic variants of 40 of these sequences; or (c) the complements of these 40 sequences. Independent claims are also included for the following: (1) bacterial or phage artificial chromosomes, or cosmid clones, containing functional genes and their chromosomal locations corresponding to (A), for use as gene transfer vehicles; (2) fragments of (A) large enough to hybridize to (A); (3) expression cassette (EC) comprising (A), or its fragments, plus at least one control or regulatory element; (4) DNA fragments containing a gene obtained using (A); (5) host cells containing (A) or its fragments as a heterologous component of the genome; (6) recombinant production of polypeptides (I), or their fragments, by culturing these cells; (7) antibodies (Ab) directed against (I) or its fragments; (8) about 120 polypeptide partial sequences (I), all reproduced, and sequences at least 80 (especially 90) % homologous with them; (9) pharmaceutical composition containing at least one (I); and (10) genomic genes, or their promoters, enhancers, silencers, exon or intron structures, or slice variants, obtained using (A).

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